

 $1-\beta$ -alanine/pyruvate aminotransferase (BAPAT) (EC 2.6.1.18)

- 2 Alanine 2,3-aminomutase 3 3-HP dehydrogenase
- 4 Lipase or esterase (EC 3.1.1.-)
- 5 Aldehyde dehydrogenase (EC 1.2.1.-) and alcohol dehydrogenase (EC 1.1.1.1) activities

6 – Esterase